

Land Subsidence Rate in the Hawk Rock Area, Maricopa and Pinal Counties
Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
Time Period of Analysis: 1.0 Years 04/11/2021 To 04/06/2022

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Explanation

04/11/2021 To 04/06/2022

Land Subsidence Rate

Decorrelation/No Data	Greater 7 cm/yr (2.8 in/yr)
5 - 7 cm/yr (2.0 - 2.8 in/yr)	
3 - 5 cm/yr (1.2 - 2.0 in/yr)	
2 - 3 cm/yr (0.8 - 1.2 in/yr)	
1 - 2 cm/yr (0.4 - 0.8 in/yr)	
0.5 - 1 cm/yr (0.2 - 0.4 in/yr)	
0 - 0.5 cm/yr (0 - 0.2 in/yr)	

Subsidence Feature

Hardrock

Earth Fissures

CAP Canal

Highways and Interstates

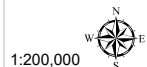
Interstate

US

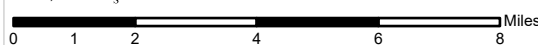
State

Roads

Railway



1:200,000



Decorrelation (white areas) are areas where the phase of the received satellite signal changed between satellite passes, causing the data to be unusable. This occurs in areas where the land surface has been disturbed (i.e. bodies of water, snow, agriculture areas, areas of development, etc).

Earth fissures were mapped by the Arizona Geological Survey. For information on earth fissures visit: www.azgs.gov/EFC

Coordinate System: NAD 1983 UTM Zone 12N
 Projection: Transverse Mercator
 Datum: North American 1983
 Units: Meter
 Created: 4/21/2022

